

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A laser-transmissible resin composition for laser

welding comprising:

100 parts by weight of a thermoplastic resin,

0.01 to 3 parts by weight of titanium oxide that has a density of at least 4 g/cm³ and particles having an average particle size of 100 to 400 nm,

wherein:

surfaces of the titanium oxide particles are treated with a surface treatment agent selected from the group consisting of aluminum, alumina, aluminum-silicon, aluminum laurate, and aluminum stearate; and

said laser-transmissible resin exhibits and exhibiting a whitish hue of white, gray or tint color.

2. (Currently Amended) The laser-transmissible resin composition according to claim 1, wherein a refractive index: index n₁ of said titanium oxide and a refractive index: index n₂ of the thermoplastic resin satisfy following numerical expressions (1) and (2).(2):

$$n_1 - n_2 \geq 1.0 \quad \dots(1)(1)$$

$$1.4 < n_2 < 1.7 \quad \dots(2)(2).$$

3. (Original) The laser-transmissible resin composition according to claim 1, wherein the thermoplastic resin is polypropylene resin and/or polycarbonate resin.

4. (Currently Amended) The laser-transmissible resin composition according to claim 1, further comprising 0.01 to 1 parts by weight of a laser-transmissible colorant to 100 parts by weight of the thermoplastic resin.

5. (Currently Amended) The laser-transmissible resin composition according to claim 1, further comprising at least one inorganic filler selected from the group consisting of talc, mica, calcium hydrogencarbonate, calcium carbonate, glass fiber, glass flake, glass beads, wollastonite and barium sulfate.

6. (Currently Amended) The laser-transmissible resin composition according to claim 1, further comprising an organic flame retarder.

7. (Currently Amended) A laser-transmissible resin workpiece for laser welding, comprising:

~~molded out of~~ a laser-transmissible resin composition for ~~the~~ laser welding exhibiting ~~whitish hue of white, gray or tint color and comprising:~~

100 parts by weight of a thermoplastic resin, and
0.01 to 3 parts by weight of titanium oxide that has a density of at least 4 g/cm³ and particles having an average particle size of 100 to 400 nm,

wherein:

surfaces of the particles are treated with a surface treatment agent selected from the group consisting of aluminum, alumina, aluminum-silicon, aluminum laurate, and aluminum stearate, and

said laser-transmissible resin exhibits exhibiting an opaque whitish hue of white, gray or tint color,

wherein:

the laser-transmissible resin workpiece is molded out of the laser-transmissible resin composition and exhibits a whitish hue of white, gray or tint color.

8. (Currently Amended) The laser-transmissible resin workpiece according to claim 7, wherein a refractive index:index n_1 of said titanium oxide and a refractive index:index n_2 of the thermoplastic resin satisfy following numerical expressions (1) and

(2).(2):

$$n_1 - n_2 \geq 1.0 \quad \dots (1)(1)$$

$$1.4 < n_2 < 1.7 \quad \dots (2)(2)$$

9. (Original) The laser-transmissible resin workpiece according to claim 7,

wherein the thermoplastic resin is polypropylene resin and/or polycarbonate resin.

10. (Currently Amended) The laser-transmissible resin workpiece according to claim 7, ~~wherein in~~wherein the laser-transmissible resin composition further comprises 0.01 to 1 parts by weight of a laser-transmissible colorant to 100 parts by weight of the thermoplastic resin.

11. (Currently Amended) The laser-transmissible resin workpiece according to claim 7, ~~wherein in~~wherein the laser-transmissible resin composition further comprises at least one inorganic filler selected from the group consisting of talc, mica, calcium hydrogencarbonate, calcium carbonate, glass fiber, glass flake, glass beads, wollastonite and barium sulfate.

12. (Currently Amended) The laser-transmissible resin workpiece according to claim 7, ~~wherein in~~wherein the laser-transmissible resin composition further comprises an organic flame retarder.

13. (Currently Amended) The laser-transmissible resin workpiece according to claim 7, wherein the hue of the laser-transmissible resin composition has a whiteness degree:degree W₁ of at least 80, wherein W₁ is of the hue, that determined from the following numerical expression (I) using L-value, a-value and b-value of L*a*b* color specification, is at least 80.specification:

$$W_1 = 100 - \sqrt{(100 - L)^2 + (a^2 + b^2)} \quad \dots (I).$$

$$W_1 = 100 - \sqrt{(100 - L)^2 + (a^2 + b^2)} \quad \dots (I)$$

14. (Original) The laser-transmissible resin workpiece according to claim 7, wherein laser-transmissivity is at least 15 %.

15. (Currently Amended) A method for laser welding comprising: piling a resin workpiece being at least partly capable of the-laser-absorption onto a laser-transmissible resin workpiece for the-laser welding,

wherein:

the laser-transmissible resin workpiece exhibiting exhibits an opaque whitish hue of white, gray or tint color, that and

said laser-transmissible resin workpiece is molded out of a laser-transmissible resin composition for the-laser welding comprising 100 parts by weight of a thermoplastic resin and 0.01 to 3 parts by weight of titanium oxide that has a density of at least 4 g/cm³ and particles having an average particle size of 100 to 400 nm,

wherein:

surfaces of the titanium oxide particles are treated with a surface treatment agent that is selected from the group consisting of aluminum, alumina, aluminum-silicon, aluminum laurate, and aluminum stearate, and

exhibiting said laser-transmissible resin exhibits a whitish hue of white, gray or tint color; and

irradiating a laser beam thereto to weld said resin workpiece and said laser-transmissible resin workpiece them thermally.

16. (Currently Amended) The method for the-laser welding according to claim 15, wherein a refractive index:index n_1 of said titanium oxide and a refractive index:index n_2 of the thermoplastic resin satisfy following numerical expressions (1) and (2).(2):

$$n_1 - n_2 \geq 1.0 \quad \text{---(1)(1)}$$

$$1.4 < n_2 < 1.7 \quad \text{---(2)(2).}$$

17. (Currently Amended) The method for the-laser welding according to claim 15, wherein the thermoplastic resin is polypropylene resin and/or polycarbonate resin.

18. (Currently Amended) The method for the-laser welding according to claim 15, wherein the laser-transmissible resin composition further comprises 0.01 to 1 parts by weight of a laser-transmissible colorant to 100 parts by weight of the thermoplastic resin.

19. (Currently Amended) The method for the-laser welding according to claim 15, wherein the laser-transmissible resin composition further comprises at least one inorganic filler selected from the group consisting of talc, mica, calcium hydrogencarbonate, calcium carbonate, glass fiber, glass flake, glass beads, wollastonite and barium sulfate.

20. (Currently Amended) The method for the-laser welding according to claim 15, wherein the laser-transmissible resin composition further comprises an organic flame retarder.

21. (Currently Amended) The method for the-laser welding according to claim 15, wherein the hue of the laser-transmissible resin composition has a whiteness degree W_1 of at least 80, wherein whiteness degree: W_1 of the hue, that is determined from the following numerical expression (I) using L-value, a-value and b-value of L*a*b* color specification: specification, is at least 80.

$$W_1 = 100 - \sqrt{(100 - L)^2 + (a^2 + b^2)} \quad (I).$$

$$W_1 = 100 - \sqrt{(100 - L)^2 + (a^2 + b^2)} \quad (I)$$

22. (Currently Amended) The method for the-laser welding according to claim 15, wherein laser-transmissivity of the laser-transmissible resin workpiece is at least 15 %.

23. (Currently Amended) The method for the-laser welding according to claim 15, wherein the resin workpiece being at least partly capable of the laser-absorption is made from a whitish resin material including a laser-absorbent being capable of the laser-

absorption under region of 800 to 1200 nm of wavelength at least partially.

24. (Currently Amended) The method for the-laser welding according to claim 23, wherein the resin workpiece being at least partly capable of the-laser-absorption is comprises:

a whitish resin material applied to a laser-absorptive layer including comprising a laser-absorbent being capable of the that is at least partially exhibits laser-absorption under in a region of 800 to 1200 nm of the wavelength at least partially.

25. (Currently Amended) The method for the-laser welding according to claim 23, wherein the laser-absorbent is carbon black and/or nigrosine.

26. (Currently Amended) The method for the-laser welding according to claim 23, wherein the hue of the laser-transmissible resin composition has a whiteness degree: degree W_2 of at least 80, wherein W_2 of the hue of the whitish resin material, that is determined from the following numerical expression (II) using L-value, a-value and b-value of L*a*b* color specification, is at least 80. specification:

$$W_2 = 100 - \sqrt{(100 - L)^2 + (a^2 + b^2)} \quad \dots \text{ (II)}$$

$$W_2 = 100 - \sqrt{(100 - L)^2 + (a^2 + b^2)} \quad \dots \text{ (II)}$$

27. (Currently Amended) The method for the-laser welding according to claim 24, wherein the laser-absorptive layer is a resin film including the laser-absorbent.

28. (Currently Amended) The method for the-laser welding according to claim 24, wherein the laser-absorptive layer is applied by ink and/or paint including the laser-absorbent.